



# Product Evaluation

WIN2204 | 0417

Engineering Services Program

*The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

*For more information, contact TDI Engineering Services Program at (800) 248-6032.*

**Evaluation ID:** WIN-2204

**Effective Date:** April 1, 2017

**Re-evaluation Date:** January 2021

**Product Name:** Ultra XL Sterling Double Hung, Aluminum Clad Wood Window, Impact Resistant

**Manufacturer:** Kolbe & Kolbe Millwork Co. Inc.  
1323 S. 11th Ave.  
Wausau, WI 54401-5998

## General Description:

System	Description	Label Rating	Design Pressure	Hallmark Certification
1	Ultra XL Sterling Double Hung Aluminum Clad Wood Window (OX)	LC-PG60 48x120-H	+/- 60 psf	413-H-1129.09-14

## Product Dimensions:

System	Overall Size	Sash Size
1	48" x 120"	Top: 44.72" x 58.11" Bottom: 44.72" x 59.76"

## Product Identification (Certification Agency Label on Window):

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork Co., Inc.
	Product Name	Ultra XL Sterling Double Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08/11 ASTM E1886-05,-08 /ASTM E1996-06,-09,-12

**Impact Resistance:**

System	Impact Resistant	Requirement
1	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Acceptance of Smaller Assemblies:** Window assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

**Installation:**

System		
1	Type of Installation	Frame
	Wall Framing	Spruce-Pine-Fir
	Fasteners	No. 10 x 2-1/2" PFH Screws 1-5/8" Roofing Nails 2" Wire Brads
	Fastener Location/Spacing	<b>Frame.</b> # 10 x 2-1/2" PFH through side jambs into the buck screws 9-1/4" from each end and on center and 12" from the corner of the head jamb. <b>Perimeter Gap.</b> Between the frame and test buck closed off with vinyl nailing flanges secured with roofing nails spaced 7" on center. <b>Nailing Flange Cover.</b> Secure a 1-1/2" x 1/2" strip of plywood over the nailing flange with 2" wire brads spaced 12" on center.
	Fastener Penetration	1-1/2" into wall substrate minimum

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.